

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

133. (Currently Amended) A method of generating one or more database systems, the method comprising:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions including semantic definitions from a user, wherein the instructions including semantic definitions are entered into the metadata schema and are used to create a business database system; and

generating the business database system automatically using the semantic definitions ~~of the instructions contained in the metadata schema such that~~ whereby the business database system is well-formed.

134. (Previously Presented) The method of claim 133, wherein automatically generating the business database system further comprises:

generating tables automatically according to the instructions.

135. (Cancelled)

136. (Previously Presented) The method of claim 133, further comprising:

building aggregate tables according to the instructions.

137. (Previously Presented) The method of claim 133, wherein operating on the business database system further comprises:

receiving further instructions from a user to define a query mechanism; and  
generating queries according to the further instructions.

138. (Previously Presented) The method of claim 133, wherein operating on the business database system further comprises:

generating reports according to the instructions.

139. (Previously Presented) The method of claim 133, further comprising:

receiving a modification of the metadata schema; and

adjusting the business database system automatically according to the modification.

140. (Currently Amended) A method of generating one or more database systems, the method comprising:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions containing semantic definitions for the metadata schema; and

generating the business database system automatically using the semantic definitions ~~such that~~ whereby the business database system is well-formed.

141. (Currently Amended) A computer system, comprising:

a computer including a processor and a memory;

a computer program stored in the memory and executed by the processor,

wherein the computer program includes computer instructions for:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions including semantic definitions from a user, wherein the instructions including semantic definitions are entered into the metadata schema and are used to create a business database system; and

generating the business database system automatically using the semantic definitions ~~of the instructions contained in the metadata schema such that~~ whereby the business database system is well-formed.

142. (Previously Presented) The computer system of claim 141, wherein the computer program further includes computer instructions for:

generating tables automatically according to the instructions.

143. (Cancelled)

144. (Previously Presented) The computer system of claim 141, wherein the computer program further includes computer instructions for:

building aggregate tables according to the instructions.

145. (Previously Presented) The computer system of claim 141, wherein the computer program further includes computer instructions for:

receiving further instructions from a user to define a query mechanism; and  
generating queries according to the further instructions.

146. (Previously Presented) The computer system of claim 141, wherein the computer program further includes computer instructions for:

generating reports according to the instructions.

147. (Previously Presented) The computer system of claim 141, wherein the computer program further includes computer instructions for:

receiving a modification of the metadata schema; and

adjusting the business database system automatically according to the modification.

148. (Currently Amended) A computer system, comprising:

a computer including a processor and a memory;

a computer program stored in the memory and executed by the processor, wherein the computer program includes computer instructions for:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions containing semantic definitions for the metadata schema; and

generating the business database system automatically using the semantic definitions ~~such that~~ whereby the business database system is well-formed.

149. (Currently Amended) A computer readable storage medium encoded with software instructions, wherein execution of the instructions comprises:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions including semantic definitions from a user, wherein the instructions including semantic definitions are entered into the metadata schema and are used to create a business database system; and

generating the business database system automatically using the semantic definitions ~~of the instructions contained in the metadata schema such that~~ whereby the business database system is well-formed.

150. (Previously Presented) The computer readable storage medium of claim 149, wherein execution of the instructions further comprises:

generating tables automatically according to the instructions.

151. (Cancelled)

152. (Previously Presented) The computer readable storage medium of claim 149, wherein execution of the instructions further comprises:

building aggregate tables according to the instructions.

153. (Previously Presented) The computer readable storage medium of claim 149, wherein execution of the instructions further comprises:

receiving further instructions from a user to define a query mechanism; and  
generating queries according to the further instructions.

154. (Previously Presented) The computer readable storage medium of claim 149, wherein execution of the instructions further comprises:

generating reports according to the instructions.

155. (Previously Presented) The computer readable storage medium of claim 149, wherein execution of the instructions further comprises:

receiving a modification of the metadata schema; and  
adjusting the business database system automatically according to the  
modification.

156. (Currently Amended) A computer readable storage medium encoded with software instructions, wherein execution of the instructions comprises:

providing a metadata system that includes a metadata schema, a facility for  
entering instructions into the metadata schema, and a facility for manipulating the  
metadata schema;

receiving instructions containing semantic definitions for the metadata schema; and

generating the business database system automatically using the semantic definitions ~~such that~~ whereby the business database system is well-formed.

157. (Previously Presented) The method of claim 133, further comprising loading data into the business database system according to the instructions contained in the metadata schema.

158. (Previously Presented) The method of claim 157, further comprising operating on the business database system according to the instructions contained in the metadata schema.

159. (Previously Presented) The computer system of claim 141, wherein the computer program further includes computer instructions for loading data into the business database system according to the instructions contained in the metadata schema.

160. (Previously Presented) The computer system of claim 159, wherein the computer program further includes computer instructions for operating on the business database system according to the instructions contained in the metadata schema.

161. (Previously Presented) The computer readable storage medium of claim 149, wherein execution of the instructions further comprises loading data into the business database system according to the instructions contained in the metadata schema.

162. (Previously Presented) The computer readable storage medium of claim 161, wherein execution of the instructions further comprises operating on the business database system according to the instructions contained in the metadata schema.

163. (Previously Presented) A method of automatically generating a business database system, the method comprising:

providing a metadata schema;

entering instructions having semantic definitions into the metadata schema;

and

generating the business database system automatically using the semantic definitions, whereby the business database system is well-formed.

164. (Previously Presented) The method of claim 163, further comprising loading data into the automatically-generated business database system according to the instructions entered into the metadata schema.

165. (Previously Presented) The method of claim 164, further comprising operating the business database system according to the instructions entered into the metadata schema.

166. (Previously Presented) A method of automatically generating a business database system, the method comprising:

receiving instructions having semantic definitions; and

generating a business database system automatically using the semantic definitions, whereby the business database system is well-formed.

167. (Previously Presented) The method of claim 166, further comprising loading data into the generated business database system according to the instructions.

168. (Previously Presented) The method of claim 167, further comprising operating the database system according to the instructions.

169. (Previously Presented) The method of claim 140, wherein automatically generating the business database system further comprises:

generating tables automatically according to the instructions.

170. (Previously Presented) The method of claim 140, further comprising:

building aggregate tables according to the instructions.

171. (Previously Presented) The method of claim 140, wherein operating on the business database system further comprises:

receiving further instructions from a user to define a query mechanism; and  
generating queries according to the further instructions.

172. (Previously Presented) The method of claim 140, wherein operating on the business database system further comprises:

generating reports according to the instructions.

173. (Previously Presented) The method of claim 140, further comprising:

receiving a modification of the metadata schema; and

adjusting the business database system automatically according to the modification.

174. (Previously Presented) The method of claim 140, further comprising loading data into the business database system according to the instructions contained in the metadata schema.

175. (Previously Presented) The method of claim 174, further comprising operating on the business database system according to the instructions contained in the metadata schema.

176. (Previously Presented) The computer system of claim 148, wherein the computer program further includes computer instructions for:

generating tables automatically according to the instructions.

177. (Previously Presented) The computer system of claim 148, wherein the computer program further includes computer instructions for:

building aggregate tables according to the instructions.

178. (Previously Presented) The computer system of claim 148, wherein the computer program further includes computer instructions for:

receiving further instructions from a user to define a query mechanism; and  
generating queries according to the further instructions.



179. (Previously Presented) The computer system of claim 148, wherein the computer program further includes computer instructions for:

generating reports according to the instructions.

180. (Previously Presented) The computer system of claim 148, wherein the computer program further includes computer instructions for:

receiving a modification of the metadata schema; and

adjusting the business database system automatically according to the modification.

181. (Previously Presented) The computer system of claim 148, wherein the computer program further includes computer instructions for:

loading data into the business database system according to the instructions contained in the metadata schema.

182. (Previously Presented) The computer system of claim 181, wherein the computer program further includes computer instructions for:

operating on the business database system according to the instructions contained in the metadata schema.

183. (Previously Presented) The computer readable storage medium of claim 156, wherein execution of the instructions further comprises:

generating tables automatically according to the instructions.

184. (Previously Presented) The computer readable storage medium of claim 156, wherein execution of the instructions further comprises:

building aggregate tables according to the instructions.

185. (Previously Presented) The computer readable storage medium of claim 156, wherein execution of the instructions further comprises:

receiving further instructions from a user to define a query mechanism; and  
generating queries according to the further instructions.

186. (Previously Presented) The computer readable storage medium of claim 156, wherein execution of the instructions further comprises:

generating reports according to the instructions.

187. (Previously Presented) The computer readable storage medium of claim 156, wherein execution of the instructions further comprises:

receiving a modification of the metadata schema; and

adjusting the business database system automatically according to the  
modification.

188. (Previously Presented) The computer readable storage medium of claim 156, wherein execution of the instructions further comprises loading data into the business database system according to the instructions contained in the metadata schema.

189. (Previously Presented) The computer readable storage medium of claim 188, wherein execution of the instructions further comprises operating on the business database system according to the instructions contained in the metadata schema.